



IFW16

## RAW SEQUENCE LISTING

DATE: 09/10/2004

PATENT APPLICATION: US/09/742,096A

TIME: 10:00:56

Input Set : A:\200773US0DIV.txt

Output Set: N:\CRF4\09102004\I742096A.raw

3 <110> APPLICANT: DRUILHE, PIERRE  
 4 DAUBERSIES, PIERRE  
 6 <120> TITLE OF INVENTION: MALARIAL PRE-ERYTHROCYTIC STAGE POLYPEPTIDE MOLECULES  
 8 <130> FILE REFERENCE: 200773US0DIV  
 10 <140> CURRENT APPLICATION NUMBER: 09/742,096A  
 11 <141> CURRENT FILING DATE: 2000-12-22  
 13 <150> PRIOR APPLICATION NUMBER: US 08/973,462  
 14 <151> PRIOR FILING DATE: 1998-02-06  
 16 <150> PRIOR APPLICATION NUMBER: PCT/FR96/00894  
 17 <151> PRIOR FILING DATE: 1996-06-12  
 19 <150> PRIOR APPLICATION NUMBER: FR 95/07007  
 20 <151> PRIOR FILING DATE: 1995-06-13  
 22 <160> NUMBER OF SEQ ID NOS: 29  
 24 <170> SOFTWARE: PatentIn version 3.3  
 26 <210> SEQ ID NO: 1  
 27 <211> LENGTH: 6152  
 28 <212> TYPE: DNA  
 29 <213> ORGANISM: P. falciparum  
 31 <400> SEQUENCE: 1  
 32 atttatttat ttttattggt ttatttcttt tttttcttta aattgtatat ttataaatat 60  
 34 tttaaaaagt tagaaaaatga caaatagtaa ttacaaatca aataataaaa catataatga 120  
 36 aaataataat gaacaaataa ctaccatatt taatagaaca aatatgaatc cgataaaaaa 180  
 38 atgtcatatg agagaaaaaa taaataagta cttttttttg atcaaaatth tgacatgcac 240  
 40 cattttaata tgggctgtac aatatgataa taacgtaaga taaaaaacta aataataaat 300  
 42 ataaataaaa aaaaaaaaaa aaaaaaaaaa atcaactata tagtatgtat aatatatata 360  
 44 tatatatata tatatatata tatatatata tattttatttt tattttattta ttaatttttt 420  
 46 tttttttata ttatcttttt agtctgatat aaacaagagt tggaaaaaaa atacgtatgt 480  
 48 agataagaaa ttgaataaac tatttaacag aagttagga gaatctcaag taaatggtga 540  
 50 attagctagt gaagaagtaa aggaaaaaat tcttgactta ttagaagaag gaaatacatt 600  
 52 aactgaaagt gtagatgata ataaaaatth agaagaagcc gaagatataa aggaaaatat 660  
 54 cttattaagt aatatagaag aaccaaaga aatatattat gacaatttat taaataatat 720  
 56 tggacaaaat tcagaaaaac aagaaagtgt atcagaaaat gtacaagtca gtgatgaact 780  
 58 ttttaatgaa ttattaaata gtgtagatgt taatggagaa gtaaaagaaa atatttttga 840  
 60 ggaaagtcaa gttaatgacg atatttttaa tagtttagta aaaagtgttc aacaagaaca 900  
 62 acaacacaat gttgaagaaa aagttgaaga aagtgtagaa gaaaatgacg aagaaagtgt 960  
 64 agaagaaaat gtagaagaaa atgtagaaga aaatgacgac ggaagtgtag cctcaagtgt 1020  
 66 tgaagaaagt atagcttcaa gtgttgatga aagtatagat tcaagtattg aagaaaatgt 1080  
 68 agctccaact gttgaagaaa tcgttagctcc aagtgttgta gaaagtgtgg ctccaagtgt 1140  
 70 tgaagaaagt gtagaagaaa atgttgaaga aagtgtagct gaaaatgttg aagaaagtgt 1200  
 72 agctgaaaat gttgaagaaa gtgtagctga aaatgttgaa gaaagtgtag ctgaaaatgt 1260  
 74 tgaagaaatc gtagctccaa ctgttgaaga aatcgtagct ccaactgttg aagaaattgt 1320  
 76 agctccaagt gttgtagaaa gtgtggctcc aagtgttgaa gaaagtgtag aagaaaatgt 1380  
 78 tgaagaaagt gtagctgaaa atgttgaaga aagtgtagct gaaaatgttg aagaaagtgt 1440



## RAW SEQUENCE LISTING

DATE: 09/10/2004

PATENT APPLICATION: US/09/742,096A

TIME: 10:00:56

Input Set : A:\200773US0DIV.txt

Output Set: N:\CRF4\09102004\I742096A.raw

80	agctgaaaat	ggtgaagaaa	gtgtagctga	aaatgttgaa	gaaagtgtag	ctgaaaatgt	1500
82	tgaagaaatc	gtagctccaa	ctgttgaaga	aatcgtagct	ccaactgttg	aagaaattgt	1560
84	agctccaagt	ggtgtagaaa	gtgtggctcc	aagtgttgaa	gaaagtgtag	aagaaaatgt	1620
86	tgaagaaagt	gtagctgaaa	atgttgaaga	aagtgtagct	gaaaatgttg	aagaaagtgt	1680
88	agctgaaaat	ggtgaagaaa	gtgtagctga	aaatgttgaa	gaaagtgtag	ctgaaaatgt	1740
90	tgaagaaagt	gtagctgaaa	atgttgaaga	aagtgtagct	gaaaatgttg	aagaaatcgt	1800
92	agctccaact	ggtgaagaaa	tcgtagctcc	aactgttgaa	gaaattgtag	ctccaagtgt	1860
94	tgtagaaagt	gtggctccaa	gtgttgaaga	aagtgtagaa	gaaaatgttg	aagaaagtgt	1920
96	agctgaaaat	ggtgaagaaa	gtgtagctga	aaatgttgaa	gaaagtgtag	ctgaaaatgt	1980
98	tgaagaaagt	gtagctgaaa	atgttgaaga	aatcgtagct	ccaactgttg	aagaaatcgt	2040
100	agctccaact	ggtgaagaaa	ttgtagctcc	aagtgttgta	gaaagtgttg	ctccaagtgt	2100
102	tgaagaaagt	gtagaagaaa	atgttgaaga	aagtgtagct	gaaaatgttg	aagaaagtgt	2160
104	agctgaaaat	ggtgaagaaa	gtgtagctga	aaatgttgaa	gaaatcgtag	ctccaactgt	2220
106	tgaagaaatc	gtagctccaa	ctgttgaaga	aattgtagct	ccaagtgttg	tagaaagtgt	2280
108	ggctccaagt	ggtgaagaaa	gtgtgaaga	aaatgttgaa	gaaagtgtag	ctgaaaatgt	2340
110	tgaagaaagt	gtagctgaaa	atgttgaaga	aagtgtagct	gaaaatgttg	aagaaagtgt	2400
112	agctgaaaat	ggtgaagaaa	tcgtagctcc	aactgttgaa	gaaatcgtag	ctccaactgt	2460
114	tgaagaaatt	gtagctccaa	gtgtttaga	aagtgtggct	ccaagtgttg	aagaaagtgt	2520
116	agaagaaaat	ggtgaagaaa	gtgtagctga	aaatgttgaa	gaaagtgtag	ctgaaaatgt	2580
118	tgaagaaagt	gtagctgaaa	atgttgaaga	aagtgtagct	ccaactgttg	aagaaattgt	2640
120	agctccaagt	ggtgaagaaa	gtgtagctcc	aagtgttgaa	gaaagtgttg	ctgaaaacgt	2700
122	tgcaacaaat	ttatcagaca	atcttttaag	taattttatta	ggtggtatcg	aaactgagga	2760
124	aataaaggac	agtatatata	atgagataga	agaagtaaaa	gaaaatgtag	tcaccacaat	2820
126	actagaaaac	gtagaagaaa	ctacagctga	aagtgttaact	acttttagta	acatataga	2880
128	ggagatacaa	gaaaatacta	ttactaatga	tactatagag	gaaaaattag	aagaactcca	2940
130	cgaaaatgta	ttaaagtgcg	ctttagaaaa	tacccaaagt	gaagaggaaa	agaaagaagt	3000
132	aatagatgta	attgaagaag	taaaagaaga	ggtcgctacc	actttaatag	aaactgtgga	3060
134	acaggcagaa	gaaaagagcg	caaatacaat	tacggaaata	tttgaaaatt	tagaagaaaa	3120
136	tgcagtagaa	agtaatgaaa	atgttgcaga	gaatttagag	aaattaaacg	aaactgtatt	3180
138	taatactgta	ttagataaag	tagaggaaac	agtagaaatt	agcggagaaa	gtttagaaaa	3240
140	caatgaaatg	gataaagcat	tttttagtga	aatatttgat	aatgtaaaaag	gaatacaaga	3300
142	aaattttatta	acaggatatgt	ttcgaagtat	agaaaccagt	atagtaatcc	aatcagaaga	3360
144	aaaggttgat	ttgaatgaaa	atgtggttag	ttcgatttta	gataatatag	aaaatatgaa	3420
146	agaaggttta	ttaaataaat	tagaaaatat	ttcaagtact	gaagggtgtc	aagaaactgt	3480
148	aactgaacat	gtagaacaaa	atgtatatgt	ggatgttgat	gttcttgcta	tgaaagatca	3540
150	attttttagga	atattaaatg	aggcaggagg	gttgaaagaa	atgtttttta	atttggaaga	3600
152	tgtattttaa	agtgaagtgt	atgtaattac	tgtagaagaa	attaaggatg	aaccggttca	3660
154	aaaagaggta	gaaaaagaaa	ctgttagtat	tattgaagaa	atggaagaaa	atattgtaga	3720
156	tgtatttagag	gaagaaaaag	aagattttaac	agacaagatg	atagatgcag	tagaagaatc	3780
158	catagaaata	tcttcagatt	ctaaagaaga	aactgaatct	attaaagata	aagaaaaaga	3840
160	tgtttcacta	gttgttgaag	aagttcaaga	caatgatatg	gatgaaagtgt	ttgagaaagt	3900
162	tttagaattg	aaaaatatgg	aagaggagtt	aatgaaggat	gctgttgaaa	taaatgacat	3960
164	tactagcaaa	cttattgaag	aaactcaaga	gttaaattgaa	gtagaagcag	atttaataaa	4020
166	agatatggaa	aaattaaaag	aattagaaaa	agcattatca	gaagattcta	aagaaataat	4080
168	agatgcaaaa	gatgatacat	tagaaaaagt	tattgaagag	gaacatgata	taacgcacgac	4140
170	gttggatgaa	gttgtagaat	taaaagatgt	cgaagaagac	aagatcgaaa	aagtatctga	4200
172	tttaaaagat	cttgagaag	atatattaaa	agaagtaaaa	gaaatcaaag	aacttgaaag	4260
174	tgaattttta	gaagattata	aagaattaaa	aactattgaa	acagatatatt	tagaagagaa	4320
176	aaaagaaata	gaaaaagatc	attttgaaaa	attcgaagaa	gaagctgaag	aaataaaaga	4380

## RAW SEQUENCE LISTING

DATE: 09/10/2004

PATENT APPLICATION: US/09/742,096A

TIME: 10:00:56

Input Set : A:\200773US0DIV.txt

Output Set: N:\CRF4\09102004\I742096A.raw

```

178 tcttgaagca gatataattaa aagaagtatc ttcattagaa gttgaagaag aaaaaaaatt 4440
180 agaagaagta cacgaattaa aagaagaggt agaacatata ataagtgggtg atgcgcatat 4500
182 aaaaggtttg gaagaagatg atttagaaga agtagatgat ttaaaaggaa gtatattaga 4560
184 catgttaaag ggagatatgg aattagggga tatggataag gaaagtttag aagatgtaac 4620
186 aacaaaactt ggagaaaagag ttgaatcctt aaaagatggt ttatctagtg cattaggcat 4680
188 ggatgaagaa caaatgaaaa caagaaaaaa agctcaaaga cctaagttgg aagaagtatt 4740
190 attaaaagaa gaggttaaag aagaaccaa gaaaaaaata acaaaaaaga aagtaagggt 4800
192 tgatattaag gataaggaac caaaagatga aatagtagaa gttgaaatga aagatgaaga 4860
194 tatagaagaa gatgtagaag aagatataga agaagatata gaagaagata aagttgaaga 4920
196 tatagatgaa gatatagatg aagatatagg tgaagacaaa gatgaagtta tagatttaat 4980
198 agtccaaaaa gagaaacgca ttgaaaaggt taaagcgaaa aagaaaaaat tagaaaaaaa 5040
200 agttgaagaa ggtgttagtg gtcttaaaaa acacgtagac gaagtaatga aatatgttca 5100
202 aaaaattgat aaagaagttg ataaagaagt atctaaagct ttagaatcaa aaaatgatgt 5160
204 tactaatggt ttaaaacaaa atcaagatgt ttttagttaa gttaaaaact tcgtaaaaaa 5220
206 atataaagta ttgtctgcac cattcatatc tgccgttgca gcatttgcac catatgtagt 5280
208 tgggttcctt acattttcctt tattttcctc atgtgtaaca atagcttctt caacttactt 5340
210 attatcaaaa gttgacaaaa ctataaataa aaataaggag agaccgtttt attcatttgt 5400
212 atttgatatc tttagaatt taaaacatta tttacaacaa atgaaagaaa aatttagtaa 5460
214 agaaaaaaat aataatgtaa tagaagtaac aaacaaagct gagaaaaaag gtaatgtaca 5520
216 ggtaacaaat aaaaccgaga aaacaactaa agttgataaa aataataaag taccgaaaaa 5580
218 aagaagaacg caaaaatcaa aataaaaaat tgcagaagag tgaaatgatt ggagcgaaca 5640
220 ataaaattaa tcgataaaaa atataaaaaat gtatatatta tgtaaatata tataaataaa 5700
222 taaataaata catacatata tatatatata tatatgtatc tttttacaaa attttaaaat 5760
224 tttaaaattt atatatatta atatttatat ttttccatat ataattttat tttcaatatt 5820
226 ttatttttaa ttataaatgt tttttacaga gtttatgttt ttttaattaat atatagattt 5880
228 ctgtaagaaa ctgtatatta ttcatacgat atatgtaata ttaattattt gtgttttatt 5940
230 aaaatttata ttatataata tatatatata tatatatgta tatatattag aagataaaaa 6000
232 tttagcttat tttgcttggt atgcaaataa gctttttttt tttttttttt tttttttttc 6060
234 atataaacga tgtttaattt ttaattttta atattttata taaaatattt ttcctaaaaa 6120
236 aaaaaaaaat taaaaaaaac ttatatttcg aa 6152
239 <210> SEQ ID NO: 2
240 <211> LENGTH: 5361
241 <212> TYPE: DNA
242 <213> ORGANISM: P. falciparum
243 <220> FEATURE:
244 <221> NAME/KEY: CDS
245 <222> LOCATION: (1)..(5361)
246 <400> SEQUENCE: 2
250 atg aca aat agt aat tac aaa tca aat aat aaa aca tat aat gaa aat 48
251 Met Thr Asn Ser Asn Tyr Lys Ser Asn Asn Lys Thr Tyr Asn Glu Asn
252 1 5 10 15
254 aat aat gaa caa ata act acc ata ttt aat aga aca aat atg aat ccg 96
255 Asn Asn Glu Gln Ile Thr Thr Ile Phe Asn Arg Thr Asn Met Asn Pro
256 20 25 30
258 ata aaa aaa tgt cat atg aga gaa aaa ata aat aag tac ttt ttt ttg 144
259 Ile Lys Lys Cys His Met Arg Glu Lys Ile Asn Lys Tyr Phe Phe Leu
260 35 40 45
262 atc aaa att ttg aca tgc acc att tta ata tgg gct gta caa tat gat 192
263 Ile Lys Ile Leu Thr Cys Thr Ile Leu Ile Trp Ala Val Gln Tyr Asp

```

## RAW SEQUENCE LISTING

DATE: 09/10/2004

PATENT APPLICATION: US/09/742,096A

TIME: 10:00:56

Input Set : A:\200773US0DIV.txt

Output Set: N:\CRF4\09102004\I742096A.raw

264	50	55	60	
266	aat aac tct gat ata aac aag agt tgg aaa aaa aat acg tat gta gat	240		
267	Asn Asn Ser Asp Ile Asn Lys Ser Trp Lys Lys Asn Thr Tyr Val Asp			
268	65 70 75 80			
270	aag aaa ttg aat aaa cta ttt aac aga agt tta gga gaa tct caa gta	288		
271	Lys Lys Leu Asn Lys Leu Phe Asn Arg Ser Leu Gly Glu Ser Gln Val			
272	85 90 95			
274	aat ggt gaa tta gct agt gaa gaa gta aag gaa aaa att ctt gac tta	336		
275	Asn Gly Glu Leu Ala Ser Glu Glu Val Lys Glu Lys Ile Leu Asp Leu			
276	100 105 110			
278	tta gaa gaa gga aat aca tta act gaa agt gta gat gat aat aaa aat	384		
279	Leu Glu Glu Gly Asn Thr Leu Thr Glu Ser Val Asp Asp Asn Lys Asn			
280	115 120 125			
282	tta gaa gaa gcc gaa gat ata aag gaa aat atc tta tta agt aat ata	432		
283	Leu Glu Glu Ala Glu Asp Ile Lys Glu Asn Ile Leu Leu Ser Asn Ile			
284	130 135 140			
286	gaa gaa cca aaa gaa aat att att gac aat tta tta aat aat att gga	480		
287	Glu Glu Pro Lys Glu Asn Ile Ile Asp Asn Leu Leu Asn Asn Ile Gly			
288	145 150 155 160			
290	caa aat tca gaa aaa caa gaa agt gta tca gaa aat gta caa gtc agt	528		
291	Gln Asn Ser Glu Lys Gln Glu Ser Val Ser Glu Asn Val Gln Val Ser			
292	165 170 175			
294	gat gaa ctt ttt aat gaa tta tta aat agt gta gat gtt aat gga gaa	576		
295	Asp Glu Leu Phe Asn Glu Leu Leu Asn Ser Val Asp Val Asn Gly Glu			
296	180 185 190			
298	gta aaa gaa aat att ttg gag gaa agt caa gtt aat gac gat att ttt	624		
299	Val Lys Glu Asn Ile Leu Glu Glu Ser Gln Val Asn Asp Asp Ile Phe			
300	195 200 205			
302	aat agt tta gta aaa agt gtt caa caa gaa caa caa cac aat gtt gaa	672		
303	Asn Ser Leu Val Lys Ser Val Gln Gln Glu Gln Gln His Asn Val Glu			
304	210 215 220			
306	gaa aaa gtt gaa gaa agt gta gaa gaa aat gac gaa gaa agt gta gaa	720		
307	Glu Lys Val Glu Glu Ser Val Glu Glu Asn Asp Glu Glu Ser Val Glu			
308	225 230 235 240			
310	gaa aat gta gaa gaa aat gta gaa gaa aat gac gac gga agt gta gcc	768		
311	Glu Asn Val Glu Glu Asn Val Glu Glu Asn Asp Asp Gly Ser Val Ala			
312	245 250 255			
314	tca agt gtt gaa gaa agt ata gct tca agt gtt gat gaa agt ata gat	816		
315	Ser Ser Val Glu Glu Ser Ile Ala Ser Ser Val Asp Glu Ser Ile Asp			
316	260 265 270			
318	tca agt att gaa gaa aat gta gct cca act gtt gaa gaa atc gta gct	864		
319	Ser Ser Ile Glu Glu Asn Val Ala Pro Thr Val Glu Glu Ile Val Ala			
320	275 280 285			
322	cca agt gtt gta gaa agt gtg gct cca agt gtt gaa gaa agt gta gaa	912		
323	Pro Ser Val Val Glu Ser Val Ala Pro Ser Val Glu Glu Ser Val Glu			
324	290 295 300			
326	gaa aat gtt gaa gaa agt gta gct gaa aat gtt gaa gaa agt gta gct	960		
327	Glu Asn Val Glu Glu Ser Val Ala Glu Asn Val Glu Glu Ser Val Ala			
328	305 310 315 320			

## RAW SEQUENCE LISTING

DATE: 09/10/2004

PATENT APPLICATION: US/09/742,096A

TIME: 10:00:56

Input Set : A:\200773US0DIV.txt

Output Set : N:\CRF4\09102004\I742096A.raw

330	gaa	aat	gtt	gaa	gaa	agt	gta	gct	gaa	aat	gtt	gaa	gaa	agt	gta	gct	1008
331	Glu	Asn	Val	Glu	Glu	Ser	Val	Ala	Glu	Asn	Val	Glu	Glu	Ser	Val	Ala	
332				325					330						335		
334	gaa	aat	gtt	gaa	gaa	atc	gta	gct	cca	act	gtt	gaa	gaa	atc	gta	gct	1056
335	Glu	Asn	Val	Glu	Glu	Ile	Val	Ala	Pro	Thr	Val	Glu	Glu	Ile	Val	Ala	
336				340					345						350		
338	cca	act	gtt	gaa	gaa	att	gta	gct	cca	agt	gtt	gta	gaa	agt	gtg	gct	1104
339	Pro	Thr	Val	Glu	Glu	Ile	Val	Ala	Pro	Ser	Val	Val	Glu	Ser	Val	Ala	
340				355					360						365		
342	cca	agt	gtt	gaa	gaa	agt	gta	gaa	gaa	aat	gtt	gaa	gaa	agt	gta	gct	1152
343	Pro	Ser	Val	Glu	Glu	Ser	Val	Glu	Glu	Asn	Val	Glu	Glu	Ser	Val	Ala	
344				370					375						380		
346	gaa	aat	gtt	gaa	gaa	agt	gta	gct	gaa	aat	gtt	gaa	gaa	agt	gta	gct	1200
347	Glu	Asn	Val	Glu	Glu	Ser	Val	Ala	Glu	Asn	Val	Glu	Glu	Ser	Val	Ala	
348	385					390					395				400		
350	gaa	aat	gtt	gaa	gaa	agt	gta	gct	gaa	aat	gtt	gaa	gaa	agt	gta	gct	1248
351	Glu	Asn	Val	Glu	Glu	Ser	Val	Ala	Glu	Asn	Val	Glu	Glu	Ser	Val	Ala	
352				405					410						415		
354	gaa	aat	gtt	gaa	gaa	atc	gta	gct	cca	act	gtt	gaa	gaa	atc	gta	gct	1296
355	Glu	Asn	Val	Glu	Glu	Ile	Val	Ala	Pro	Thr	Val	Glu	Glu	Ile	Val	Ala	
356				420					425						430		
358	cca	act	gtt	gaa	gaa	att	gta	gct	cca	agt	gtt	gta	gaa	agt	gtg	gct	1344
359	Pro	Thr	Val	Glu	Glu	Ile	Val	Ala	Pro	Ser	Val	Val	Glu	Ser	Val	Ala	
360				435					440						445		
362	cca	agt	gtt	gaa	gaa	agt	gta	gaa	gaa	aat	gtt	gaa	gaa	agt	gta	gct	1392
363	Pro	Ser	Val	Glu	Glu	Ser	Val	Glu	Glu	Asn	Val	Glu	Glu	Ser	Val	Ala	
364				450					455						460		
366	gaa	aat	gtt	gaa	gaa	agt	gta	gct	gaa	aat	gtt	gaa	gaa	agt	gta	gct	1440
367	Glu	Asn	Val	Glu	Glu	Ser	Val	Ala	Glu	Asn	Val	Glu	Glu	Ser	Val	Ala	
368	465					470					475				480		
370	gaa	aat	gtt	gaa	gaa	agt	gta	gct	gaa	aat	gtt	gaa	gaa	agt	gta	gct	1488
371	Glu	Asn	Val	Glu	Glu	Ser	Val	Ala	Glu	Asn	Val	Glu	Glu	Ser	Val	Ala	
372				485					490						495		
374	gaa	aat	gtt	gaa	gaa	agt	gta	gct	gaa	aat	gtt	gaa	gaa	agt	gta	gct	1536
375	Glu	Asn	Val	Glu	Glu	Ser	Val	Ala	Glu	Asn	Val	Glu	Glu	Ser	Val	Ala	
376				500					505						510		
378	gaa	aat	gtt	gaa	gaa	atc	gta	gct	cca	act	gtt	gaa	gaa	atc	gta	gct	1584
379	Glu	Asn	Val	Glu	Glu	Ile	Val	Ala	Pro	Thr	Val	Glu	Glu	Ile	Val	Ala	
380				515					520						525		
382	cca	act	gtt	gaa	gaa	att	gta	gct	cca	agt	gtt	gta	gaa	agt	gtg	gct	1632
383	Pro	Thr	Val	Glu	Glu	Ile	Val	Ala	Pro	Ser	Val	Val	Glu	Ser	Val	Ala	
384				530					535						540		
386	cca	agt	gtt	gaa	gaa	agt	gta	gaa	gaa	aat	gtt	gaa	gaa	agt	gta	gct	1680
387	Pro	Ser	Val	Glu	Glu	Ser	Val	Glu	Glu	Asn	Val	Glu	Glu	Ser	Val	Ala	
388	545					550					555				560		
390	gaa	aat	gtt	gaa	gaa	agt	gta	gct	gaa	aat	gtt	gaa	gaa	agt	gta	gct	1728
391	Glu	Asn	Val	Glu	Glu	Ser	Val	Ala	Glu	Asn	Val	Glu	Glu	Ser	Val	Ala	
392				565					570						575		
394	gaa	aat	gtt	gaa	gaa	agt	gta	gct	gaa	aat	gtt	gaa	gaa	atc	gta	gct	1776

**VERIFICATION SUMMARY**

DATE: 09/10/2004

PATENT APPLICATION: US/09/742,096A

TIME: 10:00:57

Input Set : A:\200773US0DIV.txt

Output Set: N:\CRF4\09102004\I742096A.raw